

CLAIMS

What is claimed is:

- 1 1. A method for recognizing utterances, comprising:
 - 2 (a) receiving an utterance including at least two components;
 - 3 (b) identifying matches between each of the components of the utterance and
4 grammars;
 - 5 (c) combining each instance of a match of a first one of the components with
6 each instance of a match of a second one of the components to generate a
7 plurality of grammar expressions; and
 - 8 (d) recognizing the received utterance utilizing the grammar expressions.
- 1 2. The method as recited in claim 1, and further comprising discarding
2 duplicate grammar expressions.
- 1 3. The method as recited in claim 1, and further comprising assigning a score to
2 each of the grammar expressions.
- 1 4. The method as recited in claim 3, and further comprising playing back the
2 grammar expressions in a priority based on the score.
- 1 5. The method as recited in claim 3, wherein a score-based priority of the
2 grammar expressions is stored in a list.
- 1 6. The method as recited in claim 1, and further comprising playing back the
2 grammar expressions.

1 7. The method as recited in claim 6, wherein a user is capable of rejecting the
2 played back grammar expressions.

1 8. The method as recited in claim 7, wherein the previously rejected grammar
2 expressions are discarded.

1 9. The method as recited in claim 7, wherein the rejected grammar expressions
2 are stored in a list.

1 10. The method as recited in claim 1, wherein the utterance is representative of at
2 least a portion of an address.

1 11. The method as recited in claim 10, and further comprising comparing the
2 grammar expressions with a database of addresses.

1 12. The method as recited in claim 11, wherein the grammar expressions are
2 filtered based on the comparison using the database of addresses.

1 13. The method as recited in claim 12, and further comprising outputting the
2 grammar expressions based on the comparison.

1 14. The method as recited in claim 10, wherein the components of the utterance
2 include a city and a state of the address.

1 15. The method as recited in claim 10, wherein the components of the utterance
2 include a street name and an address number of the address.

1 16. The method as recited in claim 10, wherein the components of the utterance
2 include two street names describing an intersection.

1 17. The method as recited in claim 11, and further comprising caching results of
2 the comparison.

1 18. The method as recited in claim 17, wherein the cached results are used for
2 recognizing subsequent utterances.

1 19. A computer program product for recognizing utterances, comprising:
2 (a) computer code for receiving an utterance including at least two components;
3 (b) computer code for identifying matches between each of the components of
4 the utterance and grammars;
5 (c) computer code for combining each instance of a match of a first one of the
6 components with each instance of a match of a second one of the components
7 to generate a plurality of grammar expressions; and
8 (d) computer code for recognizing the received utterance utilizing the grammar
9 expressions.

1 20. A system for recognizing utterances, comprising:
2 (a) logic for receiving an utterance including at least two components;
3 (b) logic for identifying matches between each of the components of the
4 utterance and grammars;
5 (c) logic for combining each instance of a match of a first one of the components
6 with each instance of a match of a second one of the components to generate
7 a plurality of grammar expressions; and
8 (d) logic for recognizing the received utterance utilizing the grammar
9 expressions.

- 1 21. A method for recognizing utterances, comprising:
 - 2 (a) receiving an utterance indicative of an address;
 - 3 (b) recognizing the received utterance;
 - 4 (c) comparing results of the recognition with a database of addresses; and
 - 5 (d) discarding the results if the comparison fails.

 - 1 22. A computer program product for recognizing utterances, comprising:
 - 2 (a) computer code for receiving an utterance indicative of an address;
 - 3 (b) computer code for recognizing the received utterance;
 - 4 (c) computer code for comparing results of the recognition with a database of addresses; and
 - 5 (d) computer code for discarding the results if the comparison fails.

 - 1 23. A method for recognizing utterances, comprising:
 - 2 (a) receiving an utterance including at least two components, wherein the utterance is indicative of content;
 - 3 (b) identifying matches between each of the components of the utterance and grammars;
 - 4 (c) combining each instance of a match of a first one of the components with each instance of a match of a second one of the components to generate a plurality of grammar expressions;
 - 5 (d) scoring the grammar expressions;
 - 6 (e) recognizing the received utterance utilizing the grammar expressions;
 - 7 (f) comparing results of operation (e) with a database of the content; and
 - 8 (g) discarding the results based on the score and the comparison.